

MATERIAL SAFETY DATA SHEET

• Section 1 – PRODUCT IDENTIFICATION

MANUFACTURER'S NAME DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.		EMERGENCY PHONE NO. 312/438-8241
ADDRESS 300 Genesee St., Lake Zurich, IL 60047		
CHEMICAL NAME AND SYNONYMS Catalyzed sodium sulfite		TRADE NAME OR CODE IDENT. DEARBORN® 66

• Section 2 – INGREDIENTS

	CAS No.	%	EXPOSURE CRITERIA
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Sodium sulfite	7757-83-7	approx. 95	
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NFPA: 2-0-0

• Section 3 – PHYSICAL DATA

BOILING POINT, 760mm Hg	Decomposes	MELTING POINT	N/K
SPECIFIC GRAVITY (H ₂ O = 1) Density	91 lbs/ft ³	VAPOR PRESSURE	N/A
VAPOR DENSITY (AIR = 1)	N/A	SOLUBILITY IN H ₂ O, % BY WT.	approx. 12%
% VOLATILES BY VOLUME	N/A	EVAPORATION RATE, _____ = 1	N/A
APPEARANCE AND ODOR	Reddish brown - mild odor (powder)	pH of 5% solution	9.3

• Section 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used) None	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER N/A UPPER N/A	AUTO IGNITION TEMPERATURE N/A
EXTINGUISHING MEDIA <input type="checkbox"/> Water Fog <input type="checkbox"/> Foam <input type="checkbox"/> CO ₂ <input type="checkbox"/> Dry Chemical <input type="checkbox"/> Other		
SPECIAL FIRE FIGHTING PROCEDURES Non-flammable		

UNUSUAL FIRE AND EXPLOSION HAZARD

None

• Section 5 – REACTIVITY DATA

STABILITY (Normal Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID Slowly oxidizes to sodium sulfate
INCOMPATIBILITY (Materials to Avoid) Being a reducing agent, may be expected to react strongly with strong oxidizers (chlorine, peroxides, etc.)	
HAZARDOUS DECOMPOSITION PRODUCTS SO ₂	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID None

(over)

MATERIAL SAFETY DATA SHEET (Continued)

• Section 6 -- HEALTH HAZARD INFORMATION

EXPOSURE LIMIT TDL₀ 6 mg/kg (human); LDL₀ 500 mg/kg (human)

TLV: 30 m.p.p.c.f. (Nuisance particulate)

EFFECTS OF OVEREXPOSURE

INHALATION

Avoid dust which may irritate nose and throat.

INGESTION

If swallowed, possibly harmful by depression of blood pressure, gastric irritation, etc. Mild emetic and copious fluids suggested.

SKIN OR EYE CONTACT

For skin contact, wash off with water. Eye contact; very mildly alkaline, possibly irritant; flush with water.

EMERGENCY AND FIRST AID PROCEDURES

If swallowed, mild emetic and copious fluids suggested. For skin contact, wash off with water; for eyes, flush with water.

• Section 7 -- SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical

RESPIRATORY PROTECTION (Specify Type)

Use adequate respirator for dusting - 3M #8710 or equal has been suggested for similar use.

EYE PROTECTION

Goggles

GLOVES (Specify Type)

None required

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

None required.

• Section 8 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

if not contaminated. Discard contaminated product as noted under Disposal instructions below Sweep up and return to container for use

WASTE DISPOSAL METHOD

Dispose using chemical scavenger service in auth. landfill. For additional disposal instructions, contact your state water pollution control agency. This product is NOT an EPA Hazardous Waste.

• Section 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep containers closed and dry. Store in a dry place, away from strong oxidizers.

Use floating cover over solutions to avoid oxidation losses.

OTHER PRECAUTIONS

For industrial use only. Keep out of reach of children.

Shipping Name: DOT Compound Boiler Cleansing, Preserving, Scale Removing Dry - NOT RESTRICTED
IATA

Prepared By W. M. Morris

Date: 5/78 (Rev. 3/84)